

IN THE CLAIMS

Please amend the claims as indicated in the complete listing of claims listed below. This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method, comprising:
 - receiving, at an information object repository, a request from a client for an information object at an address identified by a uniform resource locator (URL);
 - mapping the URL to a corresponding anycast address for the information object, wherein the information object repository is selected according to specified performance metrics by mapping an address of the client to one or more addresses of the information object repositories and to one or more addresses of routers that have a best type-of-service distance to the address of the client using by executing a Web Information Locator by Distance (WILD) communication protocol between the routers that runs on top of a Transmission Control Protocol (TCP);
 - determining whether the anycast address can be resolved into a real unicast address that is uniquely identified for the information object in the Internet; resolving the anycast address for the information object to the unicast address for the information object, if the corresponding anycast address can be resolved into the unicast address, wherein resolving the anycast address comprises sending an anycast resolution query to the anycast address according to an anycast address resolution protocol (AARP);
 - returning a failure if the anycast address cannot be resolved into the unicast address; and
 - obtaining a copy of the information object using the resolved unicast address.
2. (Canceled)
3. (Previously Presented) The method of claim 1 further comprising sending the information object to the client.
4. (Original) The method of claim 3 wherein the request is received at an information object repository that is topologically closer to the client than any other information object repository.

5. (Original) The method of claim 4 wherein the information object repository is selected according to specified performance metrics.
6. (Original) The method of claim 5 wherein the performance metrics comprise one or more of: average delay from the selected information object repository to a source of the request, average processing delay at the selected information object repository, reliability of a path from the selected information object repository, available bandwidth in said path, and loads on the selected information object repository.
7. (Currently Amended) An information object repository configured to map a uniform resource locator (URL) for an information object to a network layer anycast address, wherein the information object repository is selected according to specified performance metrics by mapping an address of the client to one or more addresses of ~~the~~ information object repositories and to one or more addresses of routers that have a best type-of service distance to the address of the client using by executing using a Web Information Locator by Distance (WILD) communication protocol between the routers that runs on top of a Transmission Control Protocol (TCP); to determine whether the network layer anycast address can be resolved into a real unicast address that is uniquely identified for the information object in the Internet, to resolve the anycast address for the information object to a unicast address for the information object, if the anycast address can be resolved into the unicast address; to send an anycast resolution query to the anycast address according to an anycast address resolution protocol (AARP), to return a failure if the anycast address cannot be resolved into the unicast address; and to obtain a copy of the information object using the resolved unicast address.
8. (Previously Presented) The information object repository of claim 7 being further configured to advertise the anycast address using a network layer anycast routing protocol.
9. (Currently Amended) A network, comprising:
at least one client configured to request an information object using a uniform resource locator (URL); and
an information object repository configured to receive the request for the information object and to map the URL into a network layer anycast address, wherein the information object

repository is selected according to specified performance metrics by mapping an address of the client to one or more addresses of the information object repositories and to one or more addresses of routers that have a best type-of-service distance to the address of the client using by executing using a Web Information Locator by Distance (WILD) communication protocol between the routers that runs on top of a Transmission Control Protocol (TCP),

to determine whether the network layer anycast address can be resolved into a real unicast address that is uniquely identified for the information object in the Internet;

to resolve the network layer anycast address into the unicast address if the network layer anycast address can be resolved into the unicast address,

to send an anycast resolution query to the anycast address according to an anycast address resolution protocol (AARP),

to obtain a copy of the information object using the resolved unicast address and
to return a failure if the anycast address cannot be resolved into the unicast address.

10. (Canceled)

11. (Previously Presented) The network of claim 9 wherein the information object repository is topologically closer to the client than any other of a number of information object repositories in the network.

12. (Original) The network of claim 11 further comprising a Web router configured to select the information object repository that is closer to the requesting client than any other of the number of information object repositories in the network without regard as to whether the information object is actually stored at the selected information object repository.

13. (Original) The network of claim 12 wherein the Web router is further configured to select the selected information object repository according to specified performance metrics.

14. (Original) The network of claim 13 wherein the performance metrics comprise one or more of: average delay from the selected information object repository to a source of the request, average processing delay at the selected information object repository, reliability of a path from

the selected information object repository, available bandwidth in said path, and loads on the selected information object repository.